

## Abstract

Method for damping pressure oscillations in the measuring signal of a lambda probe

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In order to average the continuously sampled individual values of the measuring signal through totaling over a summation period (TP1, TP2), said period corresponding to the period, dependent on engine speed, of pressure pulsations of the exhaust, while at the same time sparing the memory resources, it is proposed for totaling to be carried out across the N1 individual values block-by-block and already to start before signal updating so that the block values already formed continuously block-by-block up to the update time ( $t_n$ ) and buffered instead of the respective individual values are used for calculating an average.

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Figure 3